

Cont'd
A-P-A-W-M-D-A-E-S-F-G-A-I-A-H-G-G-L (SEQ ID NO: 1) and modified versions of this protein, wherein the modified version of the protein has a covalently attached group which does not affect ice recrystallization inhibition properties.

C1
2 (Twice Amended). The anti-freeze protein of claim 1 having an N-terminal amino acid sequence as follows: A-P-A-V-V-M-G-D-A-E-S-F-G-A-I-A-H-G-G-L (SEQ ID NO: 2).

C2
3 (Once Amended). The anti-freeze protein of claim 1 or 2, having a molecular weight of from 22 to 26 kDa.

4 (Once Amended). The anti-freeze protein of claim 1 or 2, showing at least 90% overlap with the amino acid sequences of claim 1 or claim 2.

C2
5 (Once Amended). The anti-freeze protein of claim 1 or 2, showing 100% overlap with the amino acid sequences of claim 1 or claim 2.

~~6~~(Once Amended). The anti-freeze protein of claim 1, wherein the modified version of the protein is a glycosylated protein.